(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 3 November 2005 (03.11.2005)

PCT

$\begin{array}{c} \hbox{(10) International Publication Number} \\ \hbox{WO 2005/104334} \quad \hbox{A1} \end{array}$

(51) International Patent Classification⁷: G08B 6/00

H02K 7/06,

(21) International Application Number:

PCT/EP2005/003621

(22) International Filing Date: 6 April 2005 (06.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

04009543.2 22 April 2004 (22.04.2004) EP 60/565,650 27 April 2004 (27.04.2004) US

(71) Applicant (for all designated States except US): SONY ERICSSON MOBILE COMMUNICATIONS AB [SE/SE]; Nya Vattentornet, S-21 88 Lund (SE).

(72) Inventors; and

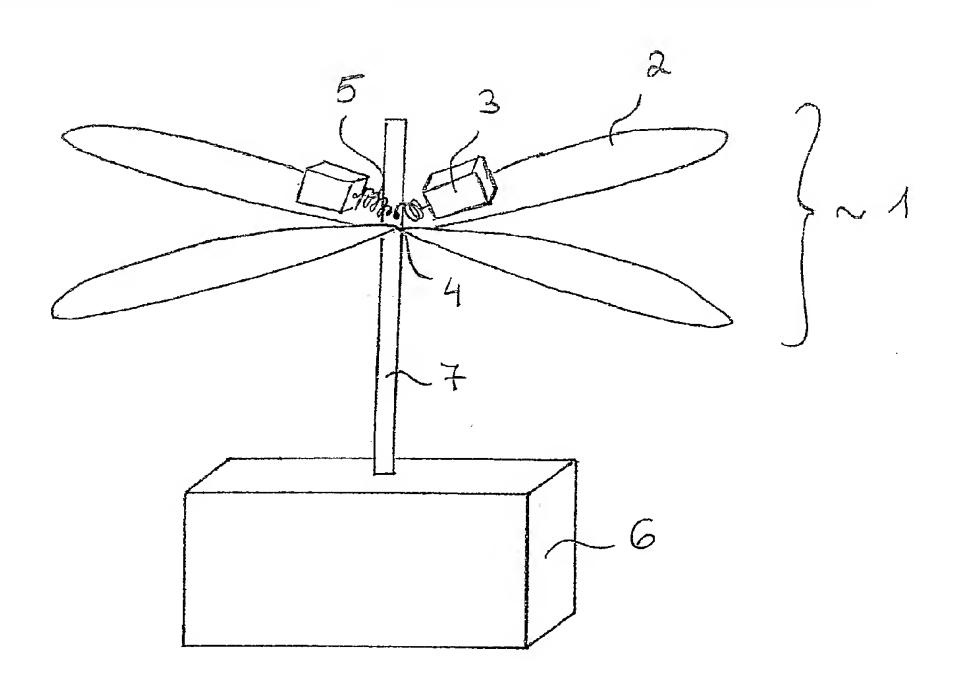
(75) Inventors/Applicants (for US only): FAGRENIUS, Gustav [SE/SE]; Lögarekroken 3, S-240 10 Dalby (SE).

SIMONSSON, Olof [SE/SE]; Mariedalsvägen 44, S-217 45 Malmö (SE). SCHACK, Göran [SE/SE]; Fädriften 95, S-296 33 Ähus (SE).

- (74) Agent: KÖRBER, Martin; Mitscherlich & Partner, Sonnenstrasse 33, Postfach 33 06 09, 80066 München (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: COOLING SYSTEM FOR A MOBILE TERMINAL FOR WIRELESS COMMUNICATION



(57) Abstract: The present invention relates to a cooling system for a mobile terminal for wireless communication comprising a rotating fan (1) for reducing the heat generated by the mobile terminal and at least one weight (3) for causing an unbalance of the rotation of the fan (1) in order to cause vibration of the fan, whereby said weight is activated when the rotational speed of the fan (1) exceeds a predefined level.

WO 2005/104334 A1



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.